

Seminarankündigung

Deformationsquantisierung

Am 30. 11. 2018 spricht um 14 Uhr c.t.

Seminarraum SE 31

DAVID KERN

Lie Algebroids and Unimodular Poisson Manifolds

In the case of symplectic manifolds traces with respect to star products are well-understood. This mainly relies on the existence of Darboux charts. In case of Poisson manifolds this becomes much more difficult. However, Lie algebroids are a nice exception as it is possible to receive traces with respect to homogeneous star products on the dual of a unimodular Lie algebroid. In this talk Lie algebroids are discussed in general first before we define the modular class of a Poisson manifold and mention a way how Lie algebroids could be extended to unimodular Lie algebroids.

gez. Stefan Waldmann